

Grade 9 – Final Paper

1. Identify correct user from the list given below and fill the table.

[programmer, software engineer, web developer, computer application assistant, network administrator, system analyst]

- i. Develops computer programs -
- ii. Manages and maintains computer networks -
- iii. Designs information systems -
- iv. Develops software -
- v. Use office application packages for office related tasks -
- vi. Develops and maintains websites -

2. Name two non-portable computers

- Server computers
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3. A student wants to purchase a computer for his day to day works during the Covid-19 period due to the close of school and classes. He is seeking a good computer to purchase and imagine you are going to advise him. Mention 6 technical features that you can tell him.

- Monitor (CRT, LCD or LED)
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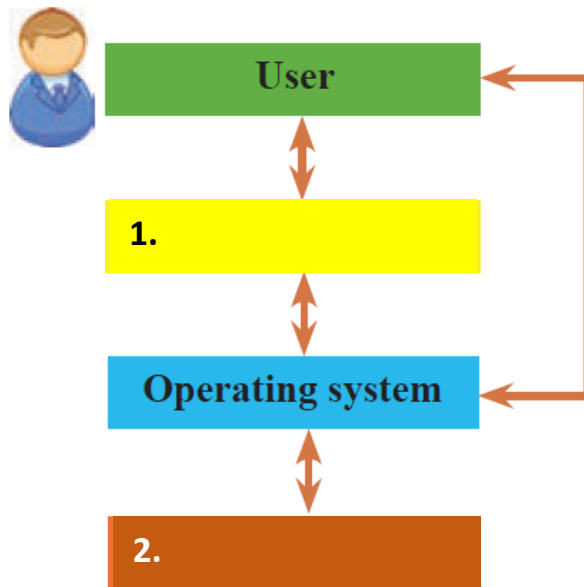
4. What are the non-technical factors we must consider when we buy a new computer?

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5. Operation system can be free and open source or licensed. A computer with licensed software installed is more expensive that a computer with a free and open-source OS. Give two examples for each type of operating systems.

Free and open-source operating systems	Licensed operation systems

6. Complete the following diagram.



7. Draw the flowcharts for following scenarios given below.

- i. When two numbers are entered find the summation of two numbers. Then display it.
- ii. Display numbers from 1 to 10 with repetition.
- iii. Display the account balance of your bank account when the account number is entered.
- iv. Display the circumference of a circle when radius is entered.
- v. Get the largest number among two numbers (assume the two numbers are not equal)

8. Name five advantages of using networking technologies.

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9. What are the main components of a computer network?

10. What are the actions that we can take to protect our data on a network/Internet?

11. What is the digital divide?

12. What are the reasons for digital divide in Sri Lanka?

13. During the Covid-19 outbreak in Sri Lanka a student from rural village is unable to participate online classes due to unavailability of proper internet connection. Write two actions that **a government can take** to reduce such issues occurred.